

**GENERAL INSTRUCTIONS
RETAIL ELECTRICITY PRICE FORECAST
ELECTRICITY DATA REQUEST 2003-2016
FROM
INVESTOR-OWNED UTILITIES, MUNICIPAL UTILITIES,
IRRIGATION DISTRICTS, ENERGY SERVICE PROVIDERS
AND COMMUNITY CHOICE AGGREGATORS**

Introduction

Public Resources Code (PRC) sections 25300-25323 directs the California Energy Commission (Commission) to conduct regular assessments of all aspects of energy demand and supply in order to develop energy policies that conserve resources, protect the environment, ensure energy reliability, enhance the State's economy, and protect public health and safety. These assessments serve as the foundation for analysis and policy recommendations to the Governor, Legislature, and other agencies in the *Integrated Energy Policy Report (Energy Report)*. To carry out these assessments the Commission may require submission of demand and price forecasts, resource plans, and other information from utilities and other market participants in California. Specifically, PRC sections 25301 and 25303 direct the Commission to conduct electricity and natural forecasts and assessments:

To perform these assessments and forecasts, the commission may require submission of demand forecasts, resource plans, market assessments, and related outlooks from electric and natural gas utilities, transportation fuel and technology suppliers, and other market participants. PRC 25301(a)

Including an:

Assessment of trends in electricity and natural gas supply and demand, and the outlook for wholesale and retail prices for commodity electricity and natural gas under current market structures and expected market conditions. PRC (25303 (a) (1)

The Commission is preparing to undertake assessments for the *2005 Energy Report*. Analysis of current electricity prices and future price forecast is one of the elements for developing sound assessments and policy recommendations. The adopted price forecast, or range of price forecasts, will be used as inputs to the demand forecast which will provide a foundation for the analyses and recommendations of the *2005 Energy Report*. These retail price projections will also provide an input into valuation

of energy efficiency, demand response, and distributed generation where customer pocketbook perspectives affect progress toward energy goals.

To provide the Commission and the public with the opportunity to consider a range of perspectives on electricity prices for consumers, the Commission is requesting electricity revenue requirements for price forecast development, inputs, workpapers, and related information from all load-serving entities (LSEs) with load greater than 200 MW.

Who Must File

Statutes found in the Public Resources Code and supporting regulations give the Commission authority to require forecast submittals from all entities engaged in generating, transmitting, or distributing electric power by any facilities. This includes investor-owned utilities, municipal utilities, irrigation districts, energy service providers, and community choice aggregators. However, according to existing regulations, small LSEs need not comply with the complete reporting requirements, but may be required to submit demand forecasts in an alternative abbreviated format established by the Commission.¹ For this specific 2005 IEPR proceeding the Commission is not requesting data from any load serving entity with peak demand less than 200 MW.

												WHO MUST FILE:		
												Investor-Owned Utilities	Municipal Utilities & Irrigation Districts	Energy Service Providers & Community Choice Aggregators
Form 1.a	IOU Electricity by Source and Revenue Requirement per Category, Bundled Customers. Total per Utility											x		
Form 1.b	IOU Electricity Sales and Revenue Requirements by Category, Bundled Customers by Customer Class											x		
Form 1.c	IOU Electricity Sales and Revenue Requirements by Category, Bundled Customers, by Rate Schedule											x		
Form 2.a	Electricity by Source and Revenue Requirement per Category. Total Municipal per Utility/ Irrigation District												x	
Form 2.b	Municipal/Irrigation District Electricity Sales and Revenue Requirements by Category by Customer Class												x	
Form 2.c	Municipal/Irrigation District Electricity Sales and Revenue Requirements by Category by Rate Schedule												x	
Form 3.a	Energy Service Provider/CommunityChoice Aggregator Electricity Sales and Revenue Requirements by Category. Total per Entity													x
Form 3.b	Energy Service Provider/CommunityChoice Aggregator Electricity Sales and Revenue Requirements by Category per Customer Class													x

Instructions for Specific Forms

Tables 1, 2, 3 and 4 identified in this section are listed in Attachment A. Forms 1.a - 3.b are included in a separate file.

¹ A small LSE is one which has experienced a peak demand of 200 megawatts or less per year in both of the two calendar years preceding the required data filing date and is owned or operated by a public government entity or regulated by the California Public Utilities Commission.

Form 1.a – IOU Electricity by Source and Revenue Requirements per Category, Bundled Customers. This form applies to Investor-Owned Utilities (IOUs). It requests annual energy generated, purchased or contracted from each category of generation for the entire utility for 2003-2016. The IOU must also provide historical and projected revenue requirements in real \$2003 for 2003-2016 in this form. There might be rate categories either not listed or non-applicable to the utility in this form; the IOUs should make appropriate adjustments. IOUs must provide workpapers and assumptions when estimating revenue requirements and electricity sales. There should only be one Form 1.a per utility.

Form 1.b – IOU Electricity Sales and Revenue Requirements by Category, Bundled Customers, Total per Customer Class. This form applies to Investor-Owned Utilities (IOUs). It requests annual electricity sales and revenue requirements in real \$2003 for each customer class for 2003-2016. Electricity sales should be listed annually for the customer class. Annual revenues in real \$2003 must be allocated by category. The IOU must provide workpapers and a description of the method used to estimate electricity sales and distribution of revenues among customer classes. The IOUs must submit one Form 1.b for each customer class as listed in Tables 1, 2 and 3 of Attachment A. These tables show the customer classes that Pacific Gas and Electric (PG&E), Southern California Edison (SCE), and San Diego Gas & Electric (SDG&E) have used, or proposed to use, to allocate revenues in the second phases of the CPUC general rate case proceedings.

Form 1.c – IOU Electricity Sales and Revenue Requirements by Category, Bundled Customers, Total per Rate Schedule. This form applies to Investor-Owned Utilities (IOUs). It requests annual electricity sales and revenue requirements in real \$2003 for each rate schedule for 2003-2016. Electricity sales should be listed annually for the rate schedule. Annual revenues in real \$2003 must be allocated by category. The IOU must provide workpapers and a description of the method used to estimate electricity sales and distribution of revenues among rate schedules. The IOUs must submit one Form 1.c for each rate schedule as listed in Table 1, 2, and 3 of Attachment A. These tables show the rate schedules that Pacific Gas and Electric (PG&E), Southern California Edison (SCE), and San Diego Gas & Electric (SDG&E) have used, or proposed to use, to allocate revenues in the second phases of the CPUC general rate case proceedings.

Form 2.a – Municipal/Irrigation District Electricity by Source and Revenue Requirements per Category. This form applies to Municipal Utilities and Irrigation Districts. It requests annual energy generated, purchased or contracted from each category of generation for the entire municipal utility/irrigation district for 2003-2016. The municipal utility/irrigation district must also provide historical and projected revenue requirements in real \$2003 for 2003-2016 in this form. There might be categories either not listed or non-applicable to the utility/irrigation district in this form; the municipal utility/irrigation district should make appropriate adjustments. Municipal utilities and irrigation districts must provide workpapers and assumptions when estimating revenue requirements and electricity sales. There should be only one Form 2.a per municipal utility/irrigation district.

Form 2.b – Municipal/Irrigation District Electricity Sales and Revenue Requirements by Category, Bundled Customers, Total per Customer Class. This form applies to municipal utilities and irrigation districts. It requests annual electricity sales and revenue requirements in real \$2003 for 2003-2016 for each customer class with ten percent or more of the utility's total annual sales. Electricity sales should be listed annually for each of the utility's customer classes. Annual revenues in real \$2003 must be allocated by category. Table 4 in Attachment A shows samples of customer classes for some municipal utilities. Other municipal utilities and irrigation districts should report data in similar format. Municipal utilities and irrigation districts must provide workpapers and a description of the method used to estimate electricity sales and distribution of revenues among customer classes. Municipal utilities and irrigation districts must submit one Form 2.b for each customer class.

Form 2.c – Municipal/Irrigation District Electricity Sales and Revenue Requirements by Category, Bundled Customers, Total per Rate Schedule. This form applies to municipal utilities and irrigation districts. It requests annual electricity sales and revenue requirements in real \$2003 for each rate schedule for 2003-2016 for each rate schedule with ten percent or more of the customer class' total annual sales. Electricity sales should be listed annually for the rate schedule. Annual revenues in real \$2003 must be allocated by category. Table 4 shows samples of rate schedules for some municipal utilities. Other municipal utilities and irrigation districts should report data in similar format. Municipal utilities and irrigation districts must provide workpapers and a description of the method used to estimate electricity sales and distribution of revenues among rate schedules. Municipal utilities and irrigation districts must submit one Form 2.c for each rate schedule.

Form 3.a – Energy Service Provider/Community Choice Aggregator Electricity by Source and Revenue Requirements per Category. This form applies to energy service providers and community choice aggregators. It requests annual energy generated, purchased or contracted from each category of generation for the energy service provider/community choice aggregator for 2003-2016. The energy service provider/community choice aggregator must also provide historical and projected revenue requirements in real \$2003 for 2003-2016 in this form. There might be categories either not listed or non-applicable to the energy service provider/community choice aggregator in this form; the energy service provider/community choice aggregator should make appropriate adjustments. Energy service providers/community choice aggregators must provide workpapers and a description of the method used to estimate electricity sales and distribution of revenues among customer classes. There should be only one Form 3.a per energy service provider/community choice aggregator.

Form 3.b – Energy Service Provider/Community Choice Aggregator Electricity Sales and Revenue Requirements by Category, Bundled Customers, Total per Customer Class. This form applies to energy service providers and community choice aggregators. It requests annual electricity sales and revenue requirements in real \$2003 for each customer class for 2003-2016. Electricity sales should be listed

annually for each customer class. Annual revenues in real \$2003 must be allocated by rate category. The energy service provider/community choice aggregator must provide workpapers and a description of the method used to estimate electricity sales and distribution of revenues among customer classes. The energy service provider/community choice aggregator must submit one Form 3.b for each customer class.

Not all forms or categories within a form may be applicable to all parties. For example, energy service providers may not estimate electricity sales and revenues by customer class, but might do so for a “typical” customer. In such a case, energy service providers should provide estimated prices for typical residential, commercial, and industrial customers.

Submittal Format

Parties shall file data in a diskette or compact disk for Forms 1.a – 3.b to:

California Energy Commission
Docket Office
Attn: Docket 04-IEP-01
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512

Participants shall provide their electricity sale estimates and revenue requirements in real \$2003 and allocation results in Microsoft Excel format.

Due Date

Forms:	Submit forms to the Commission on or before:
1.a, 1.b, 1.c 2.a, 2.b, 2.c 3.a, and 3.b	November 24, 2004

The data do not have to be distributed to the *Energy Report* service list.

Confidentiality

Certain categories of data submitted to the Commission are eligible for automatic designation of confidentiality. The types of information that are eligible and the process for obtaining this designation are found in Section 2505(a) (5) of the

Commission's regulations (found in Title 20 of the California Code of Regulations). Data that is not included in these categories but which the filer believes is entitled to confidential treatment should be submitted with an application for confidential designation so that the Executive Director can review the information and make a determination about its confidential status. In addition, filers should be aware that some confidential data may be disclosed after aggregation by Commission staff.

Attachment A

Table I Pacific Gas & Electric Company Customer Class/Rate Schedule		
Residential Class	Small L&P Class	Medium L&P Class
E-1	A-1	Total A-10 T
EL-1	A-6	Total A-10 P
E-7	TC-1	Total A-10 S
E-8		
EL-8	E-19 Class	Agricultural Class
	Total E-19-T	AG-A Non-TOU
Standby Class	Total E-19-P	AG-B Non-TOU
Standby T	Total E-19-S	AG-A TOU
Standby P		AG-B TOU
Standby S	E-20 Class	AG-C TOU
	Total E-20-T	
Streetlights Class	Total E-20-P	
	Total E-20-S	
Source: Application of Pacific Gas and Electric Company to Revise its Electric Marginal Costs, Revenue Allocation, and Rate Design, June 17, 2004		

Table 2
Southern California Edison Company
Customer Class/Rate Schedule

Domestic Class	Lighting-Sm Med Power Class
D	GS-1
D-CARE	GS-2
D-APS	GS-2S
DE	TC-1
DM	TOU-GS-2
DMS-1	
DMS-2	
Large Power Class	Agricultural & Pumping Class
TOU-8-SEC	PA-1
TOU-8-PRI	PA-2
	TOU-AG
	TOU-PA-5
TOU-8-SUB Class	Street & Area Lighting Class
TOU-8-S-SEC	LS-1
TOU-8-S-PRI	LS-2
TOU-8-S-SUB	LS-3
	DWL
	OL-1

Source: Southern California Edison Phase 2 of 2003 General Rate Case Rebuttal Testimony, September 29, 2003

Table 3
San Diego Gas & Electric Company
Customer Class/Rate Schedule

Residential Class	Small Commercial Class	Large Comm/Ind (> 500 kW) Class
Non-TOU	A	A-TOU
DR	A-TC	AL-TOU
DR-LI		NJ
DM	Schedule AD	PA-T-1
DS	AD	
DT		Schedule A6-TOU
DT-RV	Med. Comm/Ind (<or=500 kW) Class	A6-TOU
D-SMF	A-TOU	
	AY-TOU	Lighting Class
TOU	AL-TOU	LS-1
EV-TOU	PA-T-1	LS-2
EV-TOU-2		LS-3
EV-TOU-3	Agricultural Class	OL-1
DR-TOU	Non-TOU	DWL
	PA	

Source: SDG&E website.

Table 4
Municipal Utility Customer Classes and Rate Schedules

Burbank Water & Power

Residential Service, Schedule R
 Residential Photovoltaic Service, Schedule RP
 Commercial Service, Schedule C
 Industrial Service, Schedule P
 Street Lighting Service, Schedule S-1
 Traffic Signal and Freeway Lighting Service, Schedule S-3
 Temporary Power and Light Service, Schedule T
 Standby or Auxiliary Service to Private Electrical Plants, Schedule A
 Cogeneration Service, Schedule G
 Interruptible Service, Schedule I

Glendale Water & Power

Residential – Rates, Domestic electric service (Schedule L-1):
 L-1-A Standard Service Rate
 L-1-B Time of Use Service Rate
 L-1-C Green Service Rate (Renewable Resource Energy)
 L-1-D Photovoltaic Rate (Solar Energy)
 Small business service (Schedule L-2).
 Small business demand service (Schedule LD-2 Small/Medium Business Electric Rate).
 PC-1 Large Business Electric Rate
 Rates for street and highway lighting service (Schedule L-3).

Pasadena Water & Power

SCHEDULE R-1 Residential Single-Family Service
 SCHEDULE R-2 Residential Multi-Family Service
 SCHEDULE S-1 Small Commercial and Industrial Service
 SCHEDULE M-1 Medium Commercial and Industrial Service—Secondary
 SCHEDULE M-2 Medium Commercial and Industrial Service—Primary
 SCHEDULE-1 Large Commercial and Industrial Service—Secondary
 SCHEDULE L-2 Large Commercial and Industrial Service—Primary
 SCHEDULE SL Street Lighting and Traffic Signals

Source: Municipal Utilities Websites